

## Site (Data) : Dukovany

Stock of waste as at December 2010

Country: CZECH REPUBLIC

Reporting Year: 2010

**Site Name:** Dukovany

Full Name: URAO Dukovany

Inventory Reporting Date: December 2010

Waste Matrix Used: cz-eu

Comment # 381: Information

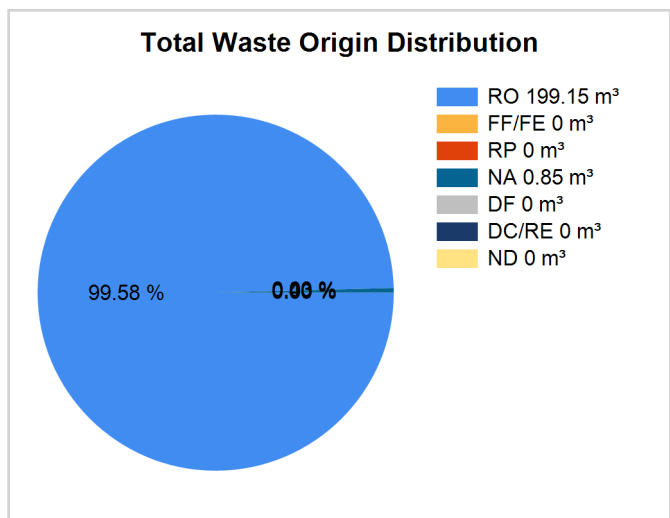
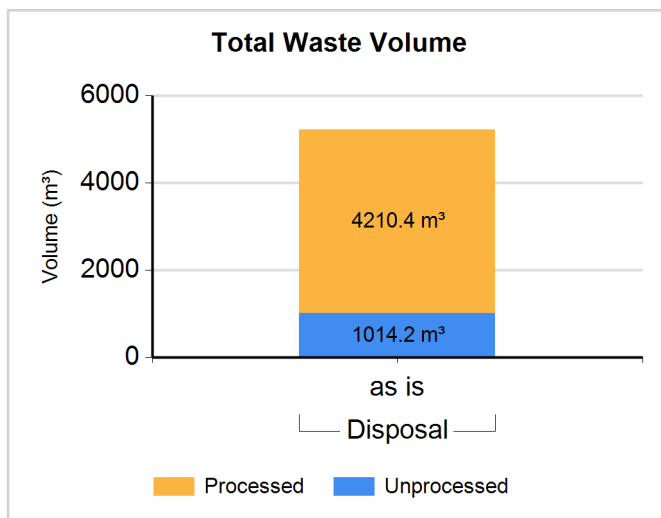
The Dukovany repository (URAO) serves for radioactive waste from operation of Czech NPP. It does not accept waste from research, industry and medicine or spent sealed sources. The accepted waste corresponds to the IAEA LLW-SL waste class.

Comment # 14554: Site Dukovany

Since 2006 repository can accommodate unprocessed institutional waste and operational waste immobilised not only in bitumene, glas and cement, but also in aluminosilicate matrix.

**Waste Inventory**

Est=distribution is an estimate, Proc.=Is the waste processed (Yes/No)? RO=Reactor Operations, FF/FE=Fuel Fabrication/Fuel Enrichment, RP=Reprocessing, NA=Nuclear Applications,DF=Defence, DC/RE=Decommissioning/Remediation, ND=Not Determined



Note: where volume "as dispo" is provided, volume "as is" is used in the graph instead.

**Waste Class: LILW-SL**

Waste Class Name	Location / Facility	Proc	Est.	Volume "as is" (m³)	Volume "as dispo" (m³)	RO %	FF/FE %	RP %	NA %	DF %	DC/RE %	ND %
LILW-SL	Disposal	N	N	1014.200	1014.200	99.23	0.00	0.00	0.77	0.00	0.00	0.00
LILW-SL	Disposal	Y	N	4210.400	4210.400	99.92	0.00	0.00	0.08	0.00	0.00	0.00

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**RadioNuclide Inventory in Disposal**

RadioNuclide	Activity (GBq)
Americium ( Am-241)	0.199
Calcium ( Ca-41)	0.385
Carbon ( C-14)	130
Cesium ( Cs-137)	6450
Iodine ( I-129)	0.484
Nickel ( Ni-59)	384
Niobium ( Nb-94)	0.956
Plutonium ( Pu-239)	0.0201
Strontium ( Sr-90)	14.4
Technetium ( Tc-99)	1.36